## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/06400

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl <sup>7</sup> F28D7/16, F02M25/07		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
Int.Cl <sup>7</sup> F28D7/16, F02M25/07		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2003 Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
ECLA, F28F1/40/EC		
		•
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category* Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
Y JP 2001-254649 A (Hino Motor		1-4
21 September, 2001 (21.09.01) All pages	•	· . •
(Family: none)	·	• •
y JP 2001-304047 A (Usui Kokus	ai Sangyo Kaisha	1-4
y JP 2001-304047 A (Usui Kokus Ltd.),	ar sangyo narsna,	- <b>4</b>
31 October, 2001 (31.10.01),		
All pages (Family: none)		
Y US 5655599 A (GAS RESEARCH I	nstitute),	1-4
21 June, 1995 (21.06.95), All pages		
(Family: none)		
·		
Further documents are listed in the continuation of Box C. See patent family annex.		
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"L" document which may throw doubts on priority claim(s) or which is  cited to establish the publication date of another citation or other  "Y" document is taken alone  document of particular relevance; the claimed invention cannot be		
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means  "P" document published prior to the international filing date but later  "&" document published prior to the international filing date but later  "&" document member of the same patent family		
than the priority date claimed		
Date of the actual completion of the international search 21 August, 2003 (21.08.03)  Date of mailing of the international search report 02 September, 2003 (02.09.03)		
Name and mailing address of the ISA/ Authorized officer		
Japanese Patent Office		
Facsimile No.	Telephone No.	